Creation of a Corpus for **Evidence Based Summarisation**



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Abstract

Evidence Based Medicine (EBM) recommends physicians to incorporate published evidence when providing care for their patients. Several summarisation systems have been proposed to help the physician. However, there is no corpus available to develop and compare such systems. Our corpus is developed for this purpose.

Source: Journal of Family Practice

Which treatments work best for hemorrhoids?

Evidence-based answer

Excision is the most effective treatment for thrombosed external hemorrhoids (strength of recommendation [SOR]: B, retrospective studies). For prolapsed internal hemorrhoids, the best definitive treatment

is traditional hemorrhoidectomy (SOR: A, systematic reviews). Of nonoperative techniques, rubber band ligation produces the lowest rate of recurrence (SOR: A, systematic reviews).

Evidence summary

the dentate line and become acutely because of interference with perianal lapse (**TABLE**).

For thrombosed external hemorrhoids, surgery works best

Few studies have evaluated the best treatment for thrombosed external Many studies have evaluated the best hemorrhoids. A retrospective study treatment for prolapsed hemorrhoids. of 231 patients treated conservatively A Cochrane systematic review of 12 or surgically found that the 48.5% RCTs that compared conventional of patients treated surgically had a hemorrhoidectomy with stapled hemlower recurrence rate than the conser- orrhoidectomy in patients with grades vative group (number needed to treat I to III hemorrhoids found a lower [NNT]=2 for recurrence at mean fol- rate of recurrence (follow-up ranged low-up of 7.6 months) and earlier reso- from 6 to 39 months) in patients who lution of symptoms (average 3.9 days had conventional hemorrhoidectomy compared with 24 days for conserva- (NNT=14).4 Conventional hemorrhoidtive treatment).1

340 patients who underwent outpa- continence. tient excision of thrombosed external

ported a low recurrence rate of 6.5% External hemorrhoids originate below at a mean follow-up of 17.3 months.²

A prospective, randomized conpainful with thrombosis. They can trolled trial (RCT) of 98 patients treatcause perianal pruritus and excoriation ed nonsurgically found improved pain relief with a combination of topical hygiene. Internal hemorrhoids become nifedipine 0.3% and lidocaine 1.5% symptomatic when they bleed or pro- compared with lidocaine alone. The NNT for complete pain relief at 7 days was 3.3

Conventional hemorrhoidectomy beats stapling

ectomy showed a nonsignificant trend Another retrospective analysis of in decreased bleeding and decreased in-

A second systematic review of 25 hemorrhoids under local anesthesia re- studies, including some that were of

Our XML Version

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<record id="7843">
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    <sniptext>Excision is the most effective treatment for thrombosed
external hemorrhoids.</sniptext>
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      conservatively or surgically found that the 48.5% of patients
      treated surgically had a lower recurrence rate than the
      conservative group (number needed to treat [NNT]=2 for
      recurrence at mean follow-up of 7.6 months) and earlier
      resolution of symptoms (average 3.9 days compared with 24 days
      for conservative treatment). 
      <ref id="15486746" abstract="Abstracts/15486746.xml">Greenspon
      J, Williams SB, Young HA, et al. Thrombosed external
      hemorrhoids: outcome after conservative or surgical
      management. Dis Colon Rectum. 2004; 47: 1493-1498.</ref>
    </long>
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     <longtext>A retrospective analysis of 340 patients ...
    </long>
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How it Was Obtained

Clinical Inquiry: From the source title.

Answer Parts ("snips"): From the answer box.

Evidence Grades: From the answer box.

Answer Justifications ("longs"): Annotated by three annotators (members of the research team), with some overlap to check consistency.

References: PubMed IDs obtained by crowdsourcing (Amazon Mechanical Turk).

Crowdsourcing with Amazon Mechanical Turk

- Each group of 10 references was assigned to 5 Turkers.
- ▶ The following automatic checks were made:
- 1. Include known PubMed IDs for double-checking.
- 2. Check if the ID exists.
- 3. Check the percentage of overlapping text between the retrieved title of the annotated ID and the reference text.
- 4. Check agreement with other Turkers.
- ► A random sample of 100 references revealed no errors.

Statistics

- ▶ 456 questions. ▶ 1,396 snips.
- ▶ 3,036 longs.
- ► 2,908 distinct references.





